

Coastal Impact Assistance Program (CIAP)
Required Information and Evaluation Criteria for Projects Nominated for CIAP
Funding

Information required for all CIAP project nomination submittals:

1. Project Title: *Evaluation of sand resources off Chandeleur Island*
2. Entity/Individual nominating the project: *Louisiana Department Of Natural Resources/Syed Khalil*
3. Contact Information (Name, Address, Telephone, Email): *Syed M. Khalil, OCRM, Coastal Engineering Division, Louisiana Department of Natural Resources, Baton Rouge, LA 70804*
4. Total CIAP Funds Requested: *\$1,000,000*
5. Infrastructure Funds Proposed: *N/A*
6. Description and Location of Project: *Around Chandeleur Island (See Attachment)*
7. Project Type (from list below of authorized CIAP fund uses): *No. 1*
8. Project Justification: *Amelioration of shoreline retreat and submergence of barrier and deltaic systems can be achieved through soft (non-structural) engineering efforts that involve placement of dredged sand/sediment to rehabilitate degraded beaches, dunes, and marshes. These restoration efforts primarily depend on the artificial emplacement of sand/sediment to build up barrier and deltaic systems, both elevationally and volumetrically, so that geomorphological and ecological environments can persist within decadal time frames with minimal redressing after the initial placement of sediment. A suitable offshore sand source is complementary to most beach renourishment projects (land sources are sometimes viable alternatives). However, identification of compatible sand resources to implement these projects is an on-going problem. Most of Louisiana's remaining shorelines are left without sand resource of sufficient size and quality to be used in restoration efforts. Exploration for offshore sand deposits has not been undertaken around the Chandeleur Barrier Island. This island is eroding for some time now. The rate of erosion has definitely accelerated since 2004 by series of Hurricanes viz. Ivan, Katrina, and Rita. This investigation will accelerate implementation of future shoreline restoration by identifying sand sources on the feasibility level and allowing engineering level investigation to proceed immediately saving quite a bit of time. The present intent is to investigate the offshore area (in the eastern side of the island) beyond 15 feet isobath by running about 500 line miles of geophysical survey collecting bathymetric, seismic, magnetic, and side scan sonar data. After the analyses of the geophysical data potential sand targets will be further probed by about 60 vibracores penetrating to about 20 feet in the seabed. All the collected data will be incorporated in the LASARD database set up for the purpose of archival of the data.*
9. Project cost share (Types and amounts of non-CIAP funds proposed, if any): *Survey vessel R/V Coastal Profiler custom-built recently by the State will be used for the survey. This boat is fitted with latest state-of-the-art geophysical*

equipment. All these are housed at Coastal Studies Institute of Louisiana State University. Substantial savings is anticipated in using this survey vessel along with the equipments.

Types of Projects authorized by the CIAP legislation:

1. Conservation, restoration and protection of coastal area, including wetland.
2. Mitigation of damage to fish, wildlife and natural resources.
3. Planning assistance and the administrative costs of complying with this section
4. Implementation of a federally approve marine, coastal, or comprehensive conservation management plan.
5. Mitigation of the impacts of OCS activities through funding of onshore infrastructure projects and public service needs.

Not more than 23 percent of the CIAP funds received by the State or parishes for any fiscal year can be used for the purposes described in items 3 and 5.

Criteria to be used to Evaluate Proposed Coastal Restoration and Conservation Projects

1. Is the proposed project free of issues that may impact timely implementation of the project features?
2. Is the proposed project linked to a regional strategy for maintaining established landscape features critical to a sustainable ecosystem structure and function?
3. Does the proposed project protect health and safety or infrastructure of national, state, regional or local significance?
4. How cost effective is the proposed project?
5. What is the certainty of benefits resulting from implementation of the proposed project?
6. Does the proposed project address an area of critical conservation/restoration need or a high land loss area?
7. How sustainable are the benefits of the proposed project?

Please note that the project nomination deadline is March 8, 2006.

Project nominations can be mailed to:

Louisiana Department of Natural Resources
Coastal Engineering Division
P. O. Box 44027
Baton Rouge, LA 70804-4027
ATTN: Greg Grandy

Project nominations can be delivered to:

Louisiana Department of Natural Resources

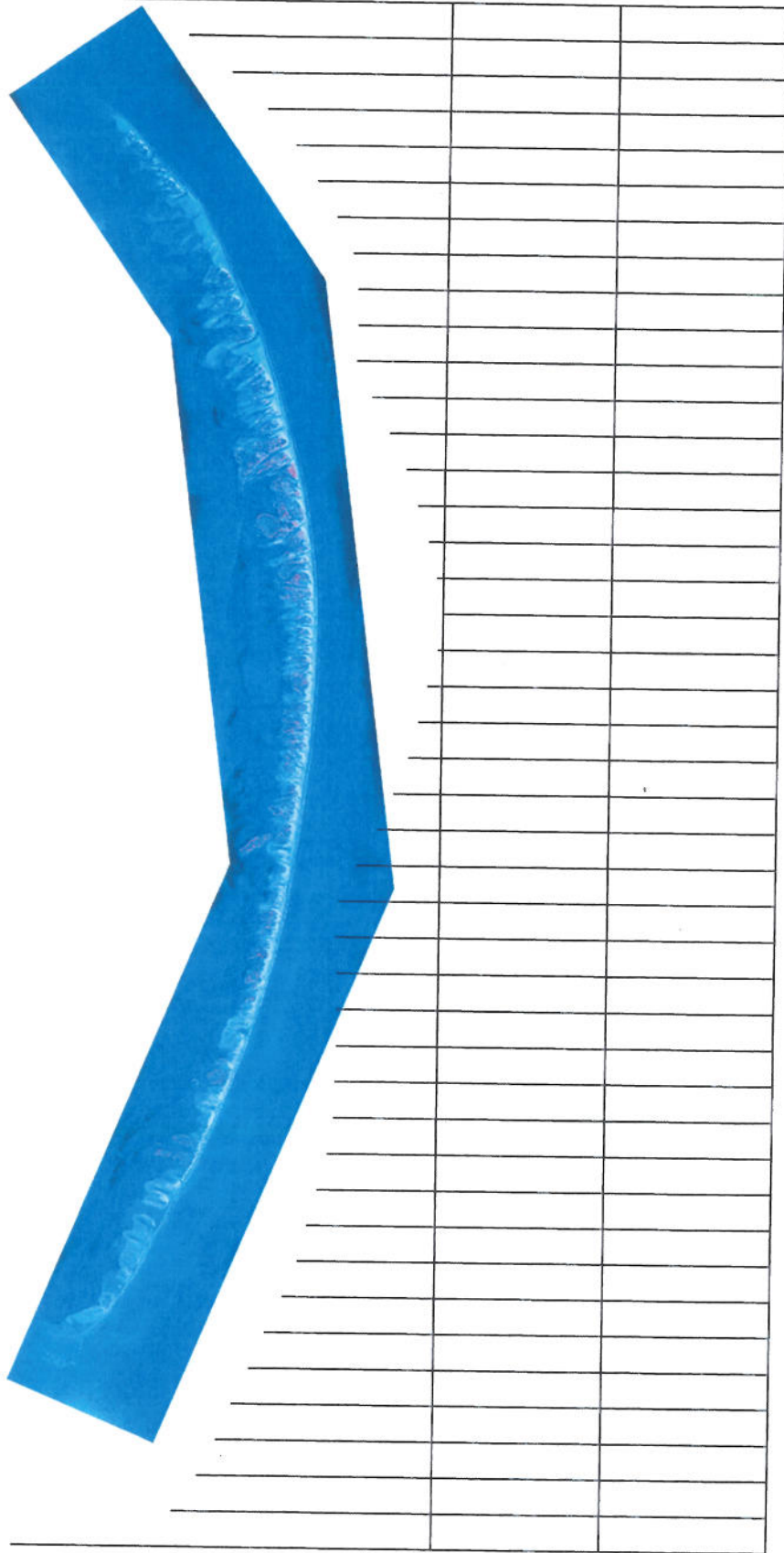
Coastal Restoration Division
617 North 3rd Street, 10th Floor
Baton Rouge, LA 70804-4027
ATTN: Will Norman

Project nominations can be emailed to:

CIAP@la.gov

Please visit the CIAP website for additional information. The website will be updated as the Plan progresses:

<http://dnr.louisiana.gov/crm/ciap/ciap.asp>



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LOUISIANA DEPARTMENT OF NATURAL RESOURCES COASTAL ENGINEERING DIVISION 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802				CHANDELEUR ISLAND		TRANSECTS
				STATE PROJECT NUMBER:		
				FEDERAL PROJECT NUMBER:		DATE: MARCH 2006
REV.	DATE	DESCRIPTION	BY	DRAWN BY: KRISTI CANTU	DESIGNED BY: SYED KHALIL	APPROVED BY:
						SHEET 1 OF 1